

Form PTO-1390 (REV 11-98)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER 411076.90021
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 09/646,734
INTERNATIONAL APPLICATION NO. PCT/EP 99/02015	INTERNATIONAL FILING DATE 24 Mar 1999 (24.03.99)	PRIORITY DATE CLAIMED 27 Mar 1998 (27.03.98)	
TITLE OF INVENTION Method for Transmitting Time-Critical Data Packets in Digital Wireless Transmission Systems			
APPLICANT(S) FOR DO/EO/US Thorsten Herfet and Werner Bauer-Schmidt			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input checked="" type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input type="checkbox"/> This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).</p> <p>4. <input type="checkbox"/> A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date.</p> <p>5. <input type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been transmitted by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US)</p> <p>6. <input checked="" type="checkbox"/> A translation of the International Application into English (35 U.S.C. 371(c)(2)).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are transmitted herewith (required only if not transmitted by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>10. <input checked="" type="checkbox"/> A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11. to 16. below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input type="checkbox"/> A FIRST preliminary amendment.</p> <p style="margin-left: 20px;"><input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> A substitute specification.</p> <p>15. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>16. <input checked="" type="checkbox"/> Other items: Copy of Notice of Missing Requirements; Petition to Extend Time (1 mo.); return postcard</p>			

U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.53) <b>09/646,734</b>		INTERNATIONAL APPLICATION NO. <b>PCT/EP99/02015</b>		ATTORNEY'S DOCKET NUMBER <b>411076.90021</b>	
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<b>17. [X] The following fees are submitted:</b> <b>BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$970.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO ..... <b>\$840.00</b>  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$690.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.482) but all claims did not satisfy provisions of PCT Article 33(1)-(4) ..... <b>\$670.00</b>  International preliminary examination fee paid to USPTO (37 CFR 1.482) and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$96.00</b>  <div style="text-align: right;"><b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b></div>				<b>CALCULATIONS</b> PTO USE ONLY	
Surcharge of <b>\$130.00</b> for furnishing the oath or declaration later than [ ] 20 [X] 30 months from the earliest claimed priority date (37 CFR 1.492(e)). <b>\$ 130.00</b>					
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	-20 =	0	X \$18.00	\$	
Independent claims	-3 =	0	X \$78.00	\$	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ \$260.00	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				<b>\$</b>	
Reduction by 1/2 for filing by small entity, if applicable. A Small Entity Statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	
<b>SUBTOTAL =</b>				<b>\$</b>	
Processing fee of <b>\$130.00</b> for furnishing the English translation later than [ ] 20 [X] 30 months from the earliest claimed priority date (37 CFR 1.429(f)).				+ \$ 130.00	
<b>TOTAL NATIONAL FEE =</b>				<b>\$</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property				+ \$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				<b>\$ 300.00</b>	
				Amount to be: refunded	\$
				Charged	\$

a. [ ] A check in the amount of \$     .00     to cover the above fees is enclosed.

b. [X] Please charge my Deposit Account No. 17-0055 in the amount of \$     .00     to cover the above fees. A duplicate copy of this sheet is enclosed.

c. [X] The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 17-0055. A duplicate copy of this sheet is enclosed.

**NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.**

SEND ALL CORRESPONDENCE TO:

**Michael J. McGovern**  
**Quarles & Brady LLP**  
**411 East Wisconsin Ave.**  
**Milwaukee, WI 53202-4497**

SIGNATURE

Michael J. McGovern

NAME

28,326

REGISTRATION NUMBER



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
Address: ASSISTANT COMMISSIONER FOR PATENTS  
Box PCT  
Washington, D.C. 20231

U.S. PATENT NO. 34 HERFET FIRST NAMED APPLICANT ATTY. DOPPEL NO. 76 8002

411076.90021

5071

INTERNATIONAL APPLICATION NO.  
PCT/DO/EO/917

MICHAEL J MCGOVERN  
411 EAST WISCONSIN AVENUE  
MILWAUKEE WI 53202-4497

I.A. FILING DATE PRIORITY DATE  
03/24/99 03/27/98

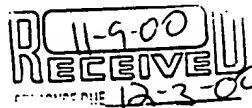
11/03/00

DATE MAILED:

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

1. The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as

- ☐ a Designated Office (37 CFR 1.494).
- ☒ an Elected Office (37 CFR 1.495):
  - ☒ U.S. Basic National Fee.
  - ☒ Copy of the international application in:
    - ☒ a non-English language.
    - ☐ English.
  - ☐ Translation of the international application into English.
  - ☐ Oath or Declaration of inventors(s) for DO/EO/US.
  - ☐ Copy of Article 19 amendments.
  - ☐ Translation of Article 19 amendments into English.
  - ☒ The International Preliminary Examination Report in English and its Annexes, if any.
  - ☐ Translation of Annexes to the International Preliminary Examination Report into English.
  - ☐ Preliminary amendment(s) filed \_\_\_\_\_ and \_\_\_\_\_.
  - ☐ Information Disclosure Statement(s) filed \_\_\_\_\_ and \_\_\_\_\_.
  - ☐ Assignment document.
  - ☐ Power of Attorney and/or Change of Address.
  - ☐ Substitute specification filed \_\_\_\_\_.
  - ☐ Statement Claiming Small Entity Status.
  - ☒ Priority Document.
  - ☒ Copy of the International Search Report ☒ and copies of the references cited therein.
  - ☐ Other:



2. The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- ☒ a. Translation of the application into English. Note a processing fee will be required if submitted later than the appropriate 20 or 30 months from the priority date.
  - ☐ The current translation is defective for the reasons indicated on the attached Notice of Defective Translation.
- ☒ b. Processing fee for providing the translation of the application and/or the Annexes later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(f)).
- ☒ c. Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
  - ☒ The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) for the reasons indicated on the attached PCT/DO/EO/917.
- ☒ d. Surcharge for providing the oath or declaration later than the appropriate 20 or 30 months from the priority date (37 CFR 1.492(e)).

3. Additional claim fees of \$ \_\_\_\_\_ as a ☐ large entity ☐ small entity, including any required multiple dependent claim fee, are required. Applicant must submit the additional claim fees or cancel the additional claims for which fees are due (37 CFR 1.492(g)). See attached PTO-875.

ALL OF THE ITEMS SET FORTH IN 2(a)-2(d) AND 3 ABOVE MUST BE SUBMITTED WITHIN ONE MONTH FROM THE DATE OF THIS NOTICE OR BY ☐ 21 OR ☒ 31 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

4. Translation of the Annexes **MUST** be submitted no later than the time period set above or the annexes will be cancelled. Note processing fee will be required if submitted later than 30 months from the priority date.

5. ☐ The Article 19 amendments are cancelled since a translation was not provided by the appropriate 20 (37 CFR 1.494(d)) or 30 (37 CFR 1.495(d)) months from the priority date.

Applicant is reminded that any communication to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above. (37 CFR 1.5)

**A copy of this notice MUST be returned with this response.**

Enclosed: ☒ PCT/DO/EO/917

☐ Notice of Defective Translation

☐ PTO-875

FORM PCT/DO/EO/905 (December 1997)

Francine Young  
National Stage Processing  
Paralegal Specialist  
(703) 305-3662



**QUEST TECHNOLOGY, INC.**  
*Technical Translation Service*

Albanian  
Arabic  
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German  
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Russian  
Slovak  
Slovene  
Spanish  
Swedish  
Tagalog  
Thai  
Turkish  
Ukrainian  
Vietnamese

**TRANSLATION VERIFICATION STATEMENT**

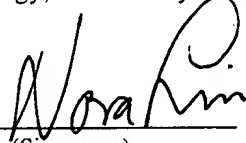
The following is the title of the German document for which the attached English translation is being submitted:

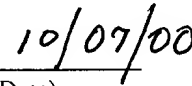
U.S. Patent Application for Transmitting Time-Critical Data Packets and Digital Wire Transmission Systems corresponding to PCT/EP99/02015

Your Reference No. 411076-90002

I hereby certify that, to the best of my knowledge, the English version of this document represents an accurate translation of the original English document provided, that the translation was prepared by a person knowledgeable in the English language and in the language of the above document, who received scientific training in English, holds a Masters degree and has extensive experience in translating. I had the translation proofread by a person also knowledgeable in the English language and in the language of the above document, who holds a Ph.D. in Chemistry and has extensive experience in translating.

Notice: Only accuracy of translation is guaranteed. Quest Technology, Inc. makes no representations or warranties as to the accuracy, legality or content of the source text. Liability on the part of Quest Technology, Inc. for any errors or omissions is hereby limited to the value of the services rendered.

  
(Signature)

  
(Date)

Dr. Nora Liu  
President, Quest Technology, Inc.  
Technical Translation Service

Postal Office Address  
1603 S. Highland Avenue  
Arlington Heights, IL 60005

Translation file No.: QV2435trn

(54) Title: METHOD FOR TRANSMITTING TIME-CRITICAL DATA PACKETS IN DIGITAL WIRELESS TRANSMISSION SYSTEMS

(57) Abstract

The invention relates to a method for transmitting time-critical data packets in digital wireless transmission systems. Time-critical data packets are used e.g., in the transmission of MPEG-coded signals, since information about the temporal positions of the data packets in relation to each other must be known in the MPEG decoder. The aim of the invention is to enable data packets of this type to be transmitted via a propagation time-constrained transmission link. To this end, time information relating to the temporal position of a particular data packet is tagged onto said data packet at the sender end. This time information is then used at the receiver end to re-establish the original temporal positions of the individual data packets in relation to each other.

